WHAT IS CLAIMED IS:

1. A wrench manufacturing process, comprising the steps of:

(a) forming a roughcast of the wrench by means of thermal forging;

(b) annealing said roughcast of the wrench so as to soften the roughcast to facilitate subsequent processing;

(c) performed a rolling process; namely to rub said roughcast of the wrench against sand granules in a rolling barrel, so as to remove carbide materials attached on said roughcast during said step of annealing;

(d) shaping said roughcast of the wrench to a predetermined shape;

(e) CNC rough cutting, whereby a receptacle space in a front section of said roughcast of a wrench is cut to attain a predetermined size;

(f) cutting a receptacle space in a front section of said roughcast of the wrench to has a predetermined size by CNC rough cutting or MC cutting;

(g) enhancing the structural toughness of said roughcast of the wrench by a heating process so that the structure is capable of resisting the stress caused by twisting a fixed object;

(h) fining a surface of said roughcast of the wrench by chemical vibrations so that the roughcast is suitable for being electroplated;

(i) coating said surface of said roughcast of the wrench with a protective layer to resist oxidation and attrition;

(j) eliminating slight deformations due to said step of thermal treatment, of said receptacle space of said roughcast of a wrench by performing CNC cutting or MC fine cutting so that said receptacle space fits required degree of roundness, and an inner wall of said receptacle space is left with fine tool marks for providing a better frictional effect with a part set to be installed therein; and

(k) coupling said roughcast of the wrench with said part set within said receptacle space thereof and being then locking said roughcast with said part set by a locking member.

2. The wrench manufacturing process of claim 1 wherein the step

(d) further comprises the steps of:

removing punching holes in said roughcast of the wrench by punching so that the load of subsequent processing is reduced;

drawing portions of said roughcast of the wrench to be processed a to a predetermined size;

polishing on said roughcast of the wrench for removing surface irregularities, whereby curved surface portions of said roughcast of a wrench are polished so that all wrenches thereby produced have a uniform outlook; and

surface grinding a plurality of flat surface portions on said roughcast of a wrench to be CNC processed later by a grinder to a predetermined standard of flatness.